

# Sureguard ScareCrow®

## USER INSTRUCTIONS

Model #830



## Motion Activated Animal Deterrent

*Thank you for purchasing the latest technology in Animal Deterrents.*



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## How this Repellent Works

Sureguard ScareCrow® Motion Activated Sprinkler is an innovative and humane way to keep most unwanted animals and birds out of an area. It's environmentally friendly and a safe alternative to chemical repellents.

Sureguard ScareCrow uses a Motion Sensor to detect the body heat of animals and birds. Once triggered, the sprinkler deploys a burst of water. The motion of the water and noise of the sprinkler mechanism creates a safe and effective deterrent.

## Quick Installation Guide

- 1/ Firstly, place the cap to cover the Night Mode Sensor (page 4).
- 2/ Install the batteries.
- 3/ Run water through the hose to clear any debris.
- 4/ Switch off water and connect hose to Scarecrow Sprinkler.
- 5/ Adjust the sprinkler head and check its movement range (page 4 & 5).
- 6/ Adjust the sensitivity adjustment to level 9 (page 4 & 5).
- 7/ Switch on water and manually activate the sensor as a test (page 7).
- 8/ Adjust sprinkler head according to the required water pattern (page 5).

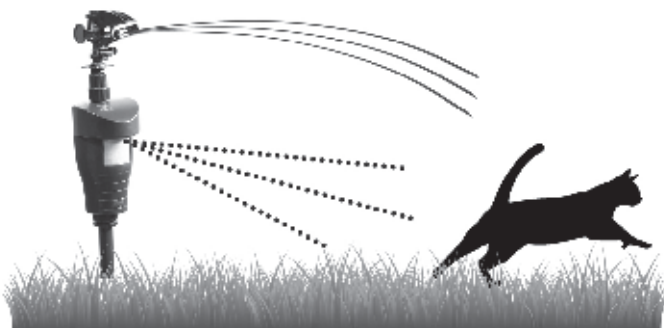
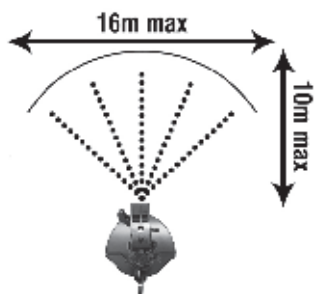


## Features

- Intelligent Sensing Technology - reduces false triggering (page 6).
- Scarecrow Sprinklers can be daisy-chained to extend the protection area.
- Two User Selectable Operating Modes – 24 Hours or Night Only.
- Adjustable Sensitivity Range, including OFF position (page 4).
- Adjustable Sprinkler Angles – Left/Right and Up/Down (page 4).
- Adjustable Sprinkler Distance and Spread (page 4).
- Metal Ground Spike allows easy placement in your lawn or garden.

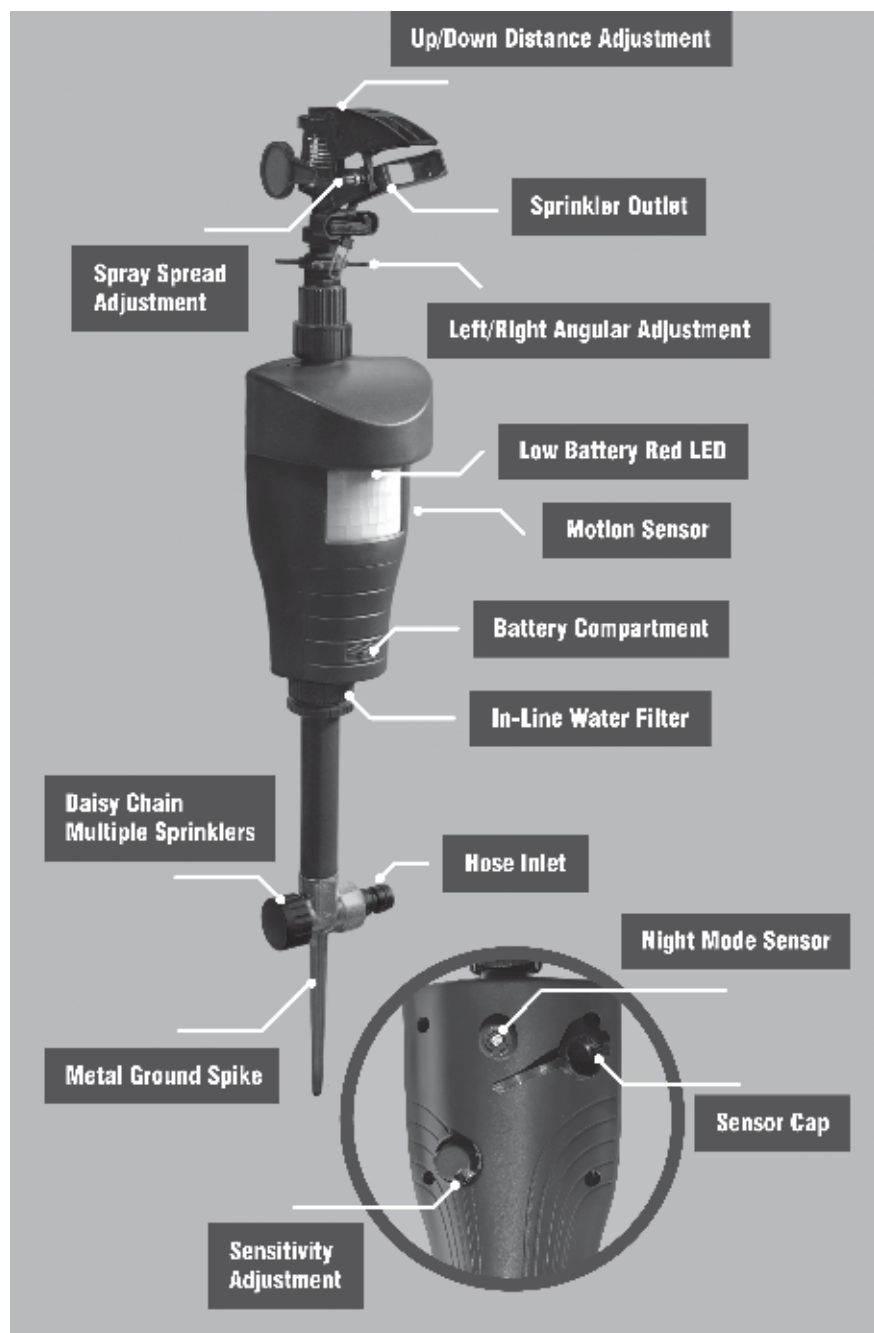
## Specifications

- Protection Area: Up to about 100 square meters, depending on the animal size.
- Water Usage per Activation: 2-3 cups.
- Sensor Left-to-Right Angle: 110 Degrees.
- Water Throw Distance: Up to 10m (depends on water pressure).
- Water Pressure: Maximum 80 psi or 0.6 MPa. Minimum 30psi or 0.2 MPa.
- Two AA **Alkaline** batteries last up to 1-year; includes low battery indicator.





## Parts Guide





## ...Parts Guide cont.

**Sprinkler Outlet:** FIRMLY screw the Sprinkler-head Outlet to the body of the Controller.

**Spray Spread Adjustment:** Adjust screw anticlockwise for a long-throw fine stream.

**Up/Down Distance Adjustment:** Rotate notched dial clockwise for maximum distance.

**Left/Right Angular Adjustment:** Gently lift the wire clip 90 degrees to allow the left and right adjuster rings to move independantly. Adjust the two rings. The place the wire clip back in position. Check the left and right stop angles by rotating the Sprinkler by hand in each direction, noting where it clicks and stops as the ring hits the wire clip. Adjust to no more than the Sensors 110-degree viewing angle. Adjust to suit the circumstances; For example, if the animal always enters at a specific point, you could just direct the Sprinkler there.

**Motion Sensor:** This is behind the sensor window. It detects body heat from the animal or bird as it moves across the viewing area (not cold-blooded animals).

**Low Battery:** Behind the window is a Red LED to indicate when to replace batteries. After removing batteries, wait at least 60 seconds before installing new ones.

**Battery Compartment:** Slide the external battery door down to open. An internal cover seals the batteries and holder from water. Use a coin at the bottom of this internal cover to prise it off. Insert two **ALKALINE** AA 1.5 Volt batteries before use. Firmly replace BOTH the internal cover and door. Do not substitute other types of battery. Remove batteries for storage.

**In-Line Water Filter:** The filter is a wire mesh to stop dirt and stones from entering and damaging the Sprinkler valve. Please check the filter regularly and remove any debris. Failure to do so could cause damage both the filter and valve. **TIP:** Before connecting the hose to the Sprinkler, run water through the hose to clear any debris carried in by ants, etc.

**Hose Inlet:** Attach a 12mm hose here and connect to your tap. **Always fully open the tap** so the Sprinkler gets the correct water flow. If your water pressure is low and the spray is weak, try using a shorter hose or larger diameter hose.

**Daisy Chain:** To install several ScareCrow Sprinklers, you can economise on hoses using this Daisy-Chain feature. Attach another hose to connect more Scarecrow Sprinklers in the chain. (Extra hose connector not included). **NOTE:** Each Scarecrow Sprinkler activates independently and responds to the motion in its viewing field. If they trigger at the same time the water pressure may drop.

**Metal Ground Peg:** To withstand the sprinkler's force, the peg must be firmly anchored, especially in wet soil.

**Night Mode Sensor:** The Sensor detects light levels to control activation. Remove the Cap for



night-only operation. Attach the Cap for 24-hour operation.

**Sensitivity Adjustment:** Setting 0 switches the device OFF. Setting 9 is maximum sensitivity (recommended for Night-Mode usage). For 24-hour use, adjust between 1 and 9 according to your circumstances. Use a lower setting if you experience excessive false triggering. Small animals and birds need setting 9.

**Intelligent Sensing Technology:** The motion-activated Scarecrow includes an optional water-saving mode to reduce unnecessary activation from non-target motion, such as sunlit foliage moving in the wind. To enable this mode, remove the batteries, take off the sensor cap in sunlight (to ensure proper light detection), reinsert the batteries, and reattach the cap for 24-hour operation. When active, if the unit triggers three times within one minute, it will enter a five-minute pause to conserve water. To **manually cancel the five-minute pause**, remove the sensor cap, wait five seconds, then replace it. To **exit water-saving mode completely**, remove the batteries, wait 10 seconds, reattach the cap, then insert the batteries.

## Placement Guide

- \* For best detection, animals or birds must move **ACROSS** the Motion Sensor's 110-degree viewing area rather than moving directly towards the Sensor.
- \* The Sensor has three vertical detection bands. The main one detects horizontal movement. Another senses upwards for detecting taller targets or birds coming into land. Another band senses downwards for detecting birds paddling in pools.
- \* **NOTE:** The Motion Sensor may not trigger if movement is too slow.
- \* The Motion Sensor must have an unobstructed view of the detection area. Avoid obstacles and never cover the Sensor.
- \* Avoid pointing the Sensor toward foliage as that may cause false triggering during windy daylight hours. (Not applicable if using Night-Mode).
- \* Avoid pointing the Sensor towards the sun or dappled sunlit areas.
- \* Around pools, place the Sensor at less than 1.5m from the pool's edge so it will detect motion both on the water and around the pool's edge. If you move it further away from the edge, you have to raise the Sensor to a height so it can see the water. However, the Sensor may no longer detect motion around the pool's edge.
- \* To protect areas larger than 10m x 16m, install several Sureguard ScareCrows facing into the protection area. For example, to cover a large swimming pool, locate them at either end of the pool or elsewhere at no more than 10m intervals.



- \* The Metal Ground Peg must be placed firmly in the ground to avoid false triggering due to device movement from strong winds, etc. For non-soil areas, place the Metal Ground Peg into a movable soil-filled heavy pot.
- \* Leave the Sureguard ScareCrow switched ON even if the wrong behaviour ceases.
- \* Select a 12mm hose in good condition, of sufficient length, and avoid using joiners. Water pressure will decrease with increasing hose length, and this will reduce spray coverage. Check operation with a short hose to become familiar with the performance at typical operating pressure. If necessary, use 18mm hose for more pressure.
- \* Before disconnecting the hose, turn the water OFF and activate the Sprinkler with your hand to de-pressurise the hose.
- \* **To test your installation**, connect the hose and switch the water ON. Stand behind or to the side of the Sprinkler. Slowly move your hand left to right at least 1m in front of the Motion Sensor. Confirm the Sprinkler sprays where you want.

## Animal Control Guide

The Sureguard ScareCrow has the ability to modify animal behaviour, but animals have natural behaviours and motivations that should also be considered. It may take longer to get results when an animal has strong motivation. For example, an animal eating your garden plants is probably doing so because little food is available. Persistent behaviours can sometimes take longer to control. For example, deterring a neighbour's dog from visiting will likely get quick results because the dog is aware it's out of its territory. However, **your** dog may not be initially controlled, until the deterrent becomes a nuisance to your dog.

How long the modified behaviour persists can vary. For example, ducks may stop visiting your swimming pool and never return, whereas a possum may stop visiting for a time but return when food is in short supply. Therefore, however quick the result should be, don't be too quick to switch the Sureguard ScareCrow OFF. You want to send a strong message if the animal returns: *"this deterrent is always here to protect"*. An exception might be when the bird or animal visits at a predictable time, for example, at sunrise, and then leaves. You may want to attach a programmed water timer to your hose to more finely control the activation of the Sprinkler.

**Bush Turkeys:** Leave the device active continually.

**Cats:** Visiting cats should quickly learn to stay away. Your pet cat may require more time to control. Leave in place for the deterrent effect to persist.



## ...Animal Control cont.

**Chickens:** Leave the device active continually.

**Birds - Cockatoos, Magpies, Parrots, Pigeons:** If the birds are at or close to ground level, the Sureguard ScareCrow can deter them. It is not suitable if the birds are in trees, high up or moving too slowly.

**Dogs:** Visiting dogs should quickly learn to stay away because they are intruding on another's territory. Your pet dog may require more time to understand the deterrent, and it should be left in place for the deterrent effect to persist. Don't allow your pet to play with the device as a toy. Some dogs enjoy water on a hot day. So, don't introduce your dog to the deterrent on a hot day, or it may become his/her toy!

**Deer:** Leave the device active continually.

**Ducks & Geese:** If these birds are fouling your swimming pool area, you can expect quick results but leave the device active for a few weeks. Pool areas generally require two or more Sureguard ScareCrows installed, usually one at either end. If the pool is more than 15m long, install extra ones along the length of the pool.

**Foxes:** Use the Night-Mode setting with Sensitivity on maximum. Leave switched ON as long as required.

**Possums:** Use the Night-Mode setting for best results with Sensitivity on maximum and leave the device active continually. If the possum is walking along a fence, up a tree, climbing a building structure, etc., then ensure the Sensor is rigidly mounted at that height. If the possum is at ground level, install it at ground level.

**Rabbits:** Leave the device active continually.

**Seagulls and Pelicans:** Place the Sureguard ScareCrow as close to the protected area as practical. Do not point toward moving water, moving boats, etc. Do not fix to a boat because the movement will cause false activation.

**Wallabies and Kangaroos:** Leave the device active continually.

**Wombats:** Leave the device active continually.

## Important !

- Inspect and clean the inline water filter mesh whenever attaching a hose
- Store the ScareCrow indoors if the temperature drops under 0°C.
- DO NOT use bore, dam, salt, or brackish water. Connect to drinking water only.
- Switch off the hose after use. Adjust Sensitivity to zero for OFF Mode.





## Problem Solving

**For more problem solving help, visit:** [www.sureguard.com.au/troubleshooting](http://www.sureguard.com.au/troubleshooting)

### **Sensor does not 'see' animals:**

1/ Sensor needs unobstructed view of animal. 2/ Install so Sensor views animals walking ACROSS viewing area, not towards it. 3/ Install Sensor at about the same height as animal. 4/ Clean the Sensor with a damp cloth. 5/ Sensor may not detect animals when temperature of animal and surroundings are about equal. 6/ Slow or fast moving animals may not be detected. 7/ Cold-blooded animals can't be detected. 8/ Replace batteries if needed.

### **Sprinkler is spraying as soon as water is connected.**

Reinstall or replace the batteries. Wait 60 seconds before reinserting batteries.

### **Sprinkler is not spraying:**

1/ Your water tap might be switched off. 2/ Water pressure may be too high or too low. 3/ Your hose might be kinked. 4/ Your hose might be blocked. 5/ Check for blockage at the In-Line Water Filter. 6/ Try a new set of batteries.

### **Sprinkler is spraying without much force:**

1/ Your water tap MUST be fully on. 2/ Debris may be blocking the In-Line Water Filter. Check and clean. 3/ Your hose may be kinked. 4/ Your hose may be blocked.

### **Sprinkler is activating when no animal is present:**

1/ If the device has moved recently, allow 10 minutes to stabilise to its new heat environment. 2/ Try using the water-saving feature (page 6). 3/ Try a lower Sensitivity Control number. 4/ Avoid pointing toward: a/ Areas where people or pets regularly pass by. b/ Foliage that might move about in the breeze. c/ Dappled sunlit areas that might fluctuate in brightness or heat intensity. d/ Upwards toward the sky. e/ Sources of hot air movement, e.g. Air-conditioning equipment, roof areas, etc. f/ Moving water. g/ Car headlights.

### **Sprinkler is leaking at the shaft:**

You must FIRMLY tighten the shaft. Attach the plastic shaft to the inline water filter (page 4). Screw the metal peg onto the shaft, then use one hand to further tighten the metal peg using the T-section for leverage, while holding the upper ring steady. Ensure it's securely tightened.



## Warranty

## Manufacturer's Warranty

Sureguard provides a Manufacturer's Warranty to the original purchaser or gift recipient to cover defects in materials and workmanship for a period of 12 month.

**Extend your Warranty to 3 Years!**

[www.sureguard.com.au/warranty-extended](http://www.sureguard.com.au/warranty-extended)

### 1.0 User Acceptance

The following is a summary only. The complete Terms and Conditions are available at [www.sureguard.com.au/terms](http://www.sureguard.com.au/terms). By purchasing or using this product, the purchaser acknowledges having read, understood, and agreed to be bound by the full Terms and Conditions.

### 3.2 Manufacturer's Warranty

- Sureguard's warranty does not cover damage or loss caused by or resulting from abuse, accidents, breakages, loss of parts, unauthorised alterations or repairs, unauthorised dismantling of the product, normal wear & tear, normal battery ageing, the natural breakdown of colours and materials over time and use, failure to follow recommended maintenance, rust corrosion, lightning strike, abnormal mains voltage fluctuations, battery leakage, insects, vermin, failure to use the product for its intended purpose, incorrect or incomplete installation or usage, theft, and causes beyond the control of Sureguard.
- Sureguard reserves the right to determine whether a fault is caused by faulty workmanship or materials.
- Sureguard reserves the right to repair or replace goods. Replacement parts or goods may be refurbished.
- The warranty published here is the only warranty given by Sureguard and no person has authority to change or add to these obligations & liabilities.
- This warranty shall not apply to any loss (whether direct, indirect or consequential) suffered through or resulting from failure or ineffective operation of the product except as provided by law.
- **Nothing in this warranty shall be construed as affecting any rights you may have under State or Commonwealth Legislation which gives you rights that cannot be modified or excluded by agreement. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.**

### 3.3 Service & Repairs

- Sureguard's Technical Department provides Service & Repairs for products not covered by the Manufacturer's Warranty.
- Sureguard takes reasonable steps to provide spare parts for a reasonable time after purchase.



- Sureguard reserves the right to refuse Claims when products have been modified, dismantled, repaired or altered without Sureguard's authorisation.

### **3.4 Return Address**

- Sureguard Pty Ltd, 25 Owens Cres., Alstonville NSW 2477.

#### **3.4.1 Conditions for Returning Goods**

- Before returning goods you must contact Sureguard to Lodge a Claim (under Section 2.5).
- After receiving your Return Authorisation you must cease using the goods and promptly return the goods to ensure they arrive at Sureguard's Return Address (as per Section 2.4 above) within 14-days.
- Returned goods must include a copy of the original Tax Invoice or enough information to identify the original purchaser and seller.
- Returned goods must be packaged to avoid damage in transit.
- Return shipping and insurance costs are the purchaser's or sender's responsibility. Sureguard will cover return shipping if required by Australian Consumer Law. Sureguard will refuse COD returns.
- Costs associated with quotations, service or repairs must be paid before the goods are returned. Goods will be disposed of if costs are not paid within 90-days of notification that the goods are ready for shipping.

### **3.5 Lodge a Claim**

- To lodge a Claim simply contact Sureguard's Technical Department on 1800-800-044 or email: [claims@sureguard.com.au](mailto:claims@sureguard.com.au). If the goods are to be returned you will be issued with a Return Authorisation.

### **4.0 Limitation of Liability**

Sureguard will not be liable in any way for any direct, indirect, incidental, special or consequential losses or damages resulting from use of Sureguard's website, products or services or inability to use Sureguard's website, products or services, except as provided by law. Where any State or Commonwealth Legislation prohibits the inclusion of any clause or term set out in these Terms and Conditions, the liability imposed on Sureguard, will be limited, at Sureguard's discretion to any one or more of the following:

- The replacement of the goods or re-supply of equivalent goods.
- The cost of the goods or the cost to re-supply the equivalent goods.
- The repair of the goods.
- The payment of cost to repair the goods.

### **6.0 Safety – Your Responsibility**

- All persons who use the purchased product must read the User Instructions prior to operating the product.
- Do not allow children to operate or play with the product.
- Do not dismantle the product.
- Do not alter the product or add non-standard materials to it unless approved in writing by Sureguard.

### **7.0 Disclaimer Notices**

- No performance guarantee is offered for any control device Sureguard sells. Animals, birds, rodents, snakes, etc., all have natural instincts, behaviours or motivations that may be modified by the use of control devices. However, the degree of improvement and how long this may take or persist cannot be predicted or guaranteed.
- The purchaser must not use the product for other than its intended purpose.
- All of Sureguard's published content is subject to change without notice.

*Sureguard provides quality animal containment and behaviour solutions that are effective and easy to use.*

***It's always "Better By Sureguard" !***

Visit our website:

[www.sureguard.com.au/shop](http://www.sureguard.com.au/shop)

Sureguard Pty Ltd

ABN: 20163915964

Tel.1800-800-044

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Video Demonstration:



[www.sureguard.com.au/video\\_scarecrow](http://www.sureguard.com.au/video_scarecrow)